OVERVIEW OF THE CIVIL WORKS PROCESS

REFERENCES

- Project Partnership Kit

www.usace.army.mil/inet/functions/cw/ppkit/httoc.htm

- 6 Steps to a Civil Works Project

www.usace.army.mil/inet/functions/cw/cecwp/6index.htm

OBJECTIVES

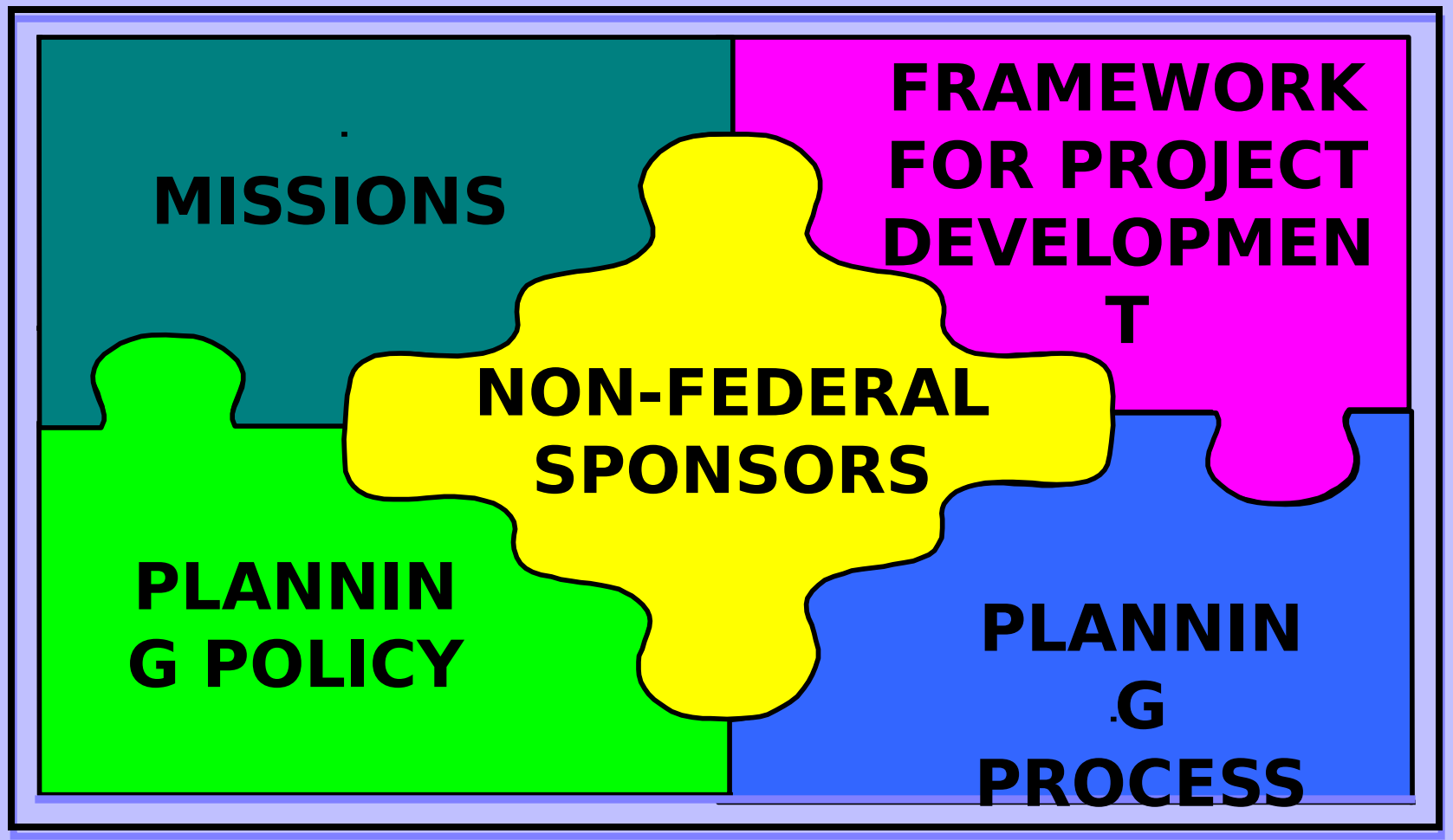
1. To be able to identify the current high priority missions of the Corps.

2. To be able to identify the major phases of the Civil Works project development process.

THE CIVIL WORKS PROCESS

U.S. Army Corps of Engineers

Overview of the Civil Works Process



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Overview of the Civil Works Process

HIGH PRIORITY MISSIONS

- Flood Damage Reduction
- Ecosystem Restoration
- Commercial Navigation
- Hurricane and Storm Damage Reduction

LOW PRIORITY MISSIONS

- Recreation
- Hydropower
- Water Supply
- Water Quality
- Coastal and Shoreline Erosion
- Aquatic Plant Control

U.S. Army Corps of Engineers

SIX STEPS TO IMPLEMENT A PROJECT

Overview of the Civil Works Process

1. Problem Perception
2. Request For Federal Action
3. Study Problem & Report Preparation
4. Report Review and Approval
5. Project Authorization
6. Project Implementation

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Overview of the Civil Works Process

SOURCES OF STUDY AUTHORITY

SPECIFIC STUDY AUTHORITIES

- House Transportation & Infrastructure Cmte. Resolution
- Senate Environment & Public Works Cmte. Resolution
- Water Resources Development Act
- Energy & Water Development Appropriations Act

DELEGATED STANDING AUTHORITIES

- Section 216, 1970 River & Harbor & Flood Control Act
- Section 2, 1958 Fish & Wildlife Coordination Act

CONTINUING AUTHORITIES (Small Projects)

CONTINUING AUTHORITIES

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Overview of the Civil Works Process

SECTION	PURPOSE	FEDERAL COST LIMIT
14	EMERGENCY SHORE/STREAM PROTECTION	$1,000,000
103	BEACH EROSION CONTROL	$3,000,000
107	NAVIGATION	$4,000,000
111	MITIGATION OF SHORE DAMAGE	$5,000,000
205	FLOOD DAMAGE PROTECTION	$7,000,000
208	SNAGGING / CLEARING FOR FLOOD CONTROL	$ 500,000
1135	PROJECT MODIFICATION FOR ENVIRONMENT	$5,000,000
204	ECOSYSTEM RESTORATION WITH DREDGING	NONE

PHASES OF PROJECT DEVELOPMENT

- Reconnaissance Planning
- Feasibility Planning
- Preconstruction Engineering & Design (PED)
- Real Estate Acquisition
- Construction
- Operation & Maintenance

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RECONNAISSANCE PHASE PLANNING

PURPOSES {§905(b) WRDA 1986}

- Determine whether planning should proceed
- Determine Federal interest
- Estimate cost of feasibility phase

REQUIREMENTS {Pl. Guidance Ltr. 99-01}

- Develop 905(b) report, FCSA, and PSP
- 100 percent Federal funding
- $100,000 cost limit
- 12 - 18 months duration
- Report certified by HQ, USACE

U.S. Army Corps of Engineers

FEASIBILITY PHASE PLANNING

PURPOSES {§905(a) WRDA 1986}

- Describe benefits & detriments of alternatives considered and scope of recommended plan
- Describe Federal & non-Federal participation
- Present views of public, State & Federal agencies

REQUIREMENTS

- 50% non-Federal cost {§105 WRDA 1986}
- 36 months duration
- Complete when ASA(CW) submits report to OMB

PRECONSTRUCTION ENGINEERING & DESIGN (PED) PHASE

PURPOSE: Complete detailed studies and designs to begin construction.

STUDIES AND REPORTS INCLUDE:

- Design Reports / Documents
- Plans & Specifications
- Reevaluation Reports (GRR, LRR, PAC)
- Economic Updates
- Supplemental Environmental Compliance Documents (SEIS, SIR, EA)

Part of Project Cost; 25% non-Federal Financing

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Overview of the Civil Works Process

REAL ESTATE ACQUISITION PHASE

PURPOSE: Acquire lands, easements, rights-of-way and disposal areas and perform relocations needed for project construction, operation & maintenance (O&M).

- Activities span feasibility, PED, and O&M.
- Primarily non-Federal sponsor responsibility.
- USACE certifies adequacy of rights obtained.
- Certification must occur before construction contract is advertised.

U.S. Army Corps of Engineers

CONSTRUCTION PHASE

- Contractors build the project.
- USACE administers contracts, inspects work, oversees safety requirements.
- Non-Federal Sponsor reviews documents, monitors fiscal and physical progress.

OPERATION & MAINTENANCE PHASE

- Non-Federal Sponsor responsibility except for navigation projects.
- USACE conducts periodic inspections and notifies Sponsor of deficiencies.
- Scope is defined in OMRR&R Manual:
  - Operation - actions required to function
  - Maintenance - routine & preventative work.
  - Repair - of minor damage, wear & tear.
  - Rehabilitation - to assure structural integrity.
  - Replacement - of obsolete, worn-out features.

U.S. Army Corps of Engineers

Overview of the Civil Works Process

USACE PROJECTS MUST COMPLY WITH LAWS AND POLICY

- Flood Control & WRDA
  - 1936 FCA - Benefits exceed costs
  - 1970 FCA - Significant Effects
  - 1986 WRDA - Cost sharing
- Laws, Statutes & Executive Orders
  - National Environmental Policy Act
  - Clean Water Act
  - National Historic Preservation Act
  - EO 11988 - Flood Plain Management
- Principles and Guidelines

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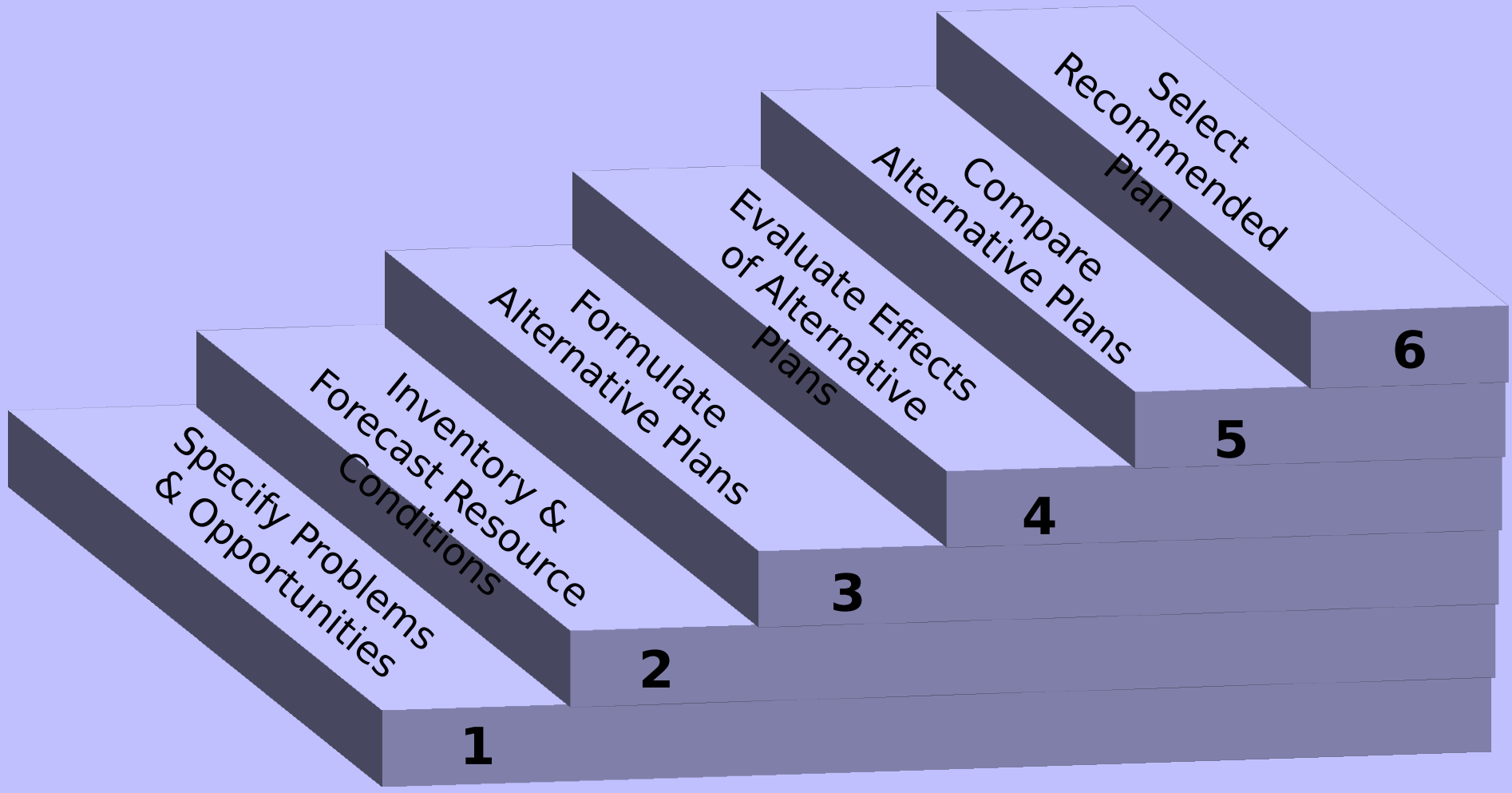
Overview of the Civil Works Process

P&G's SIX STEP PLANNING PROCESS



DISTRICT FUNCTIONAL ELEMENTS

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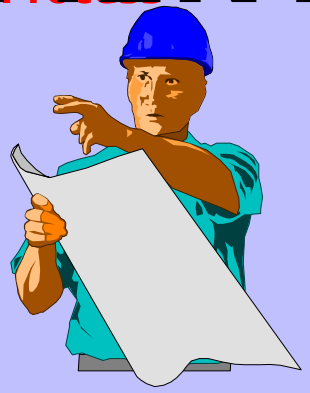
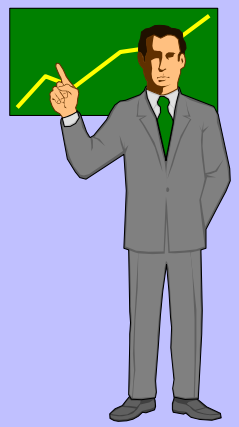
Overview of the Civil Works Process

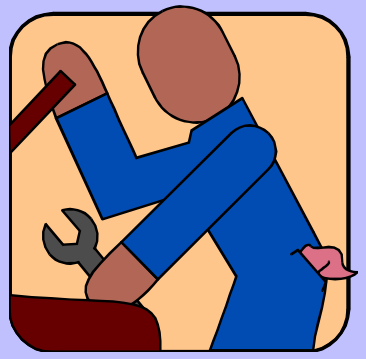
Planning



Construction



Programs & Project Management



Operations & Maintenance

Engineering

Real Estate & Counsel

USACE CHAIN OF COMMAND

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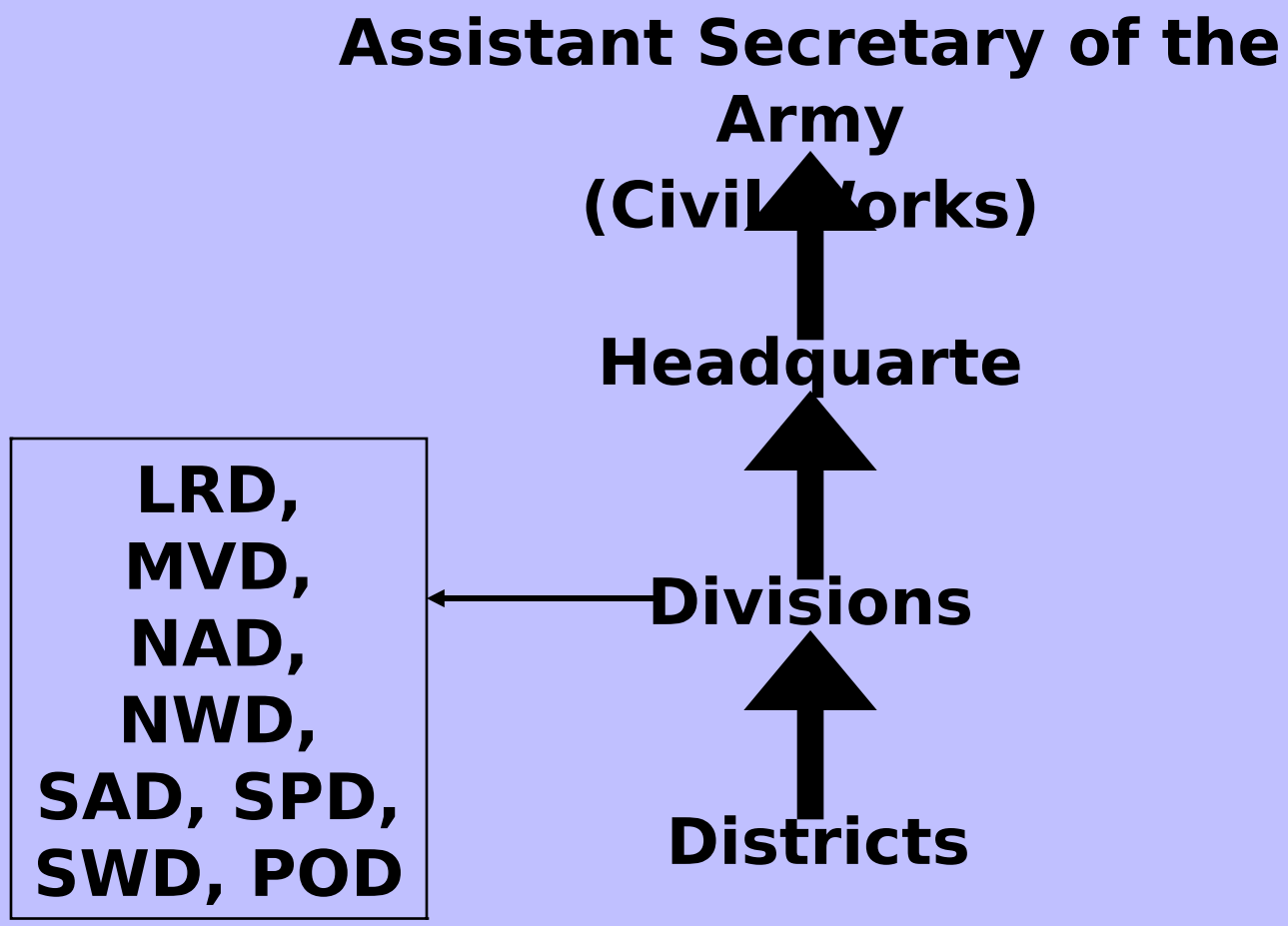
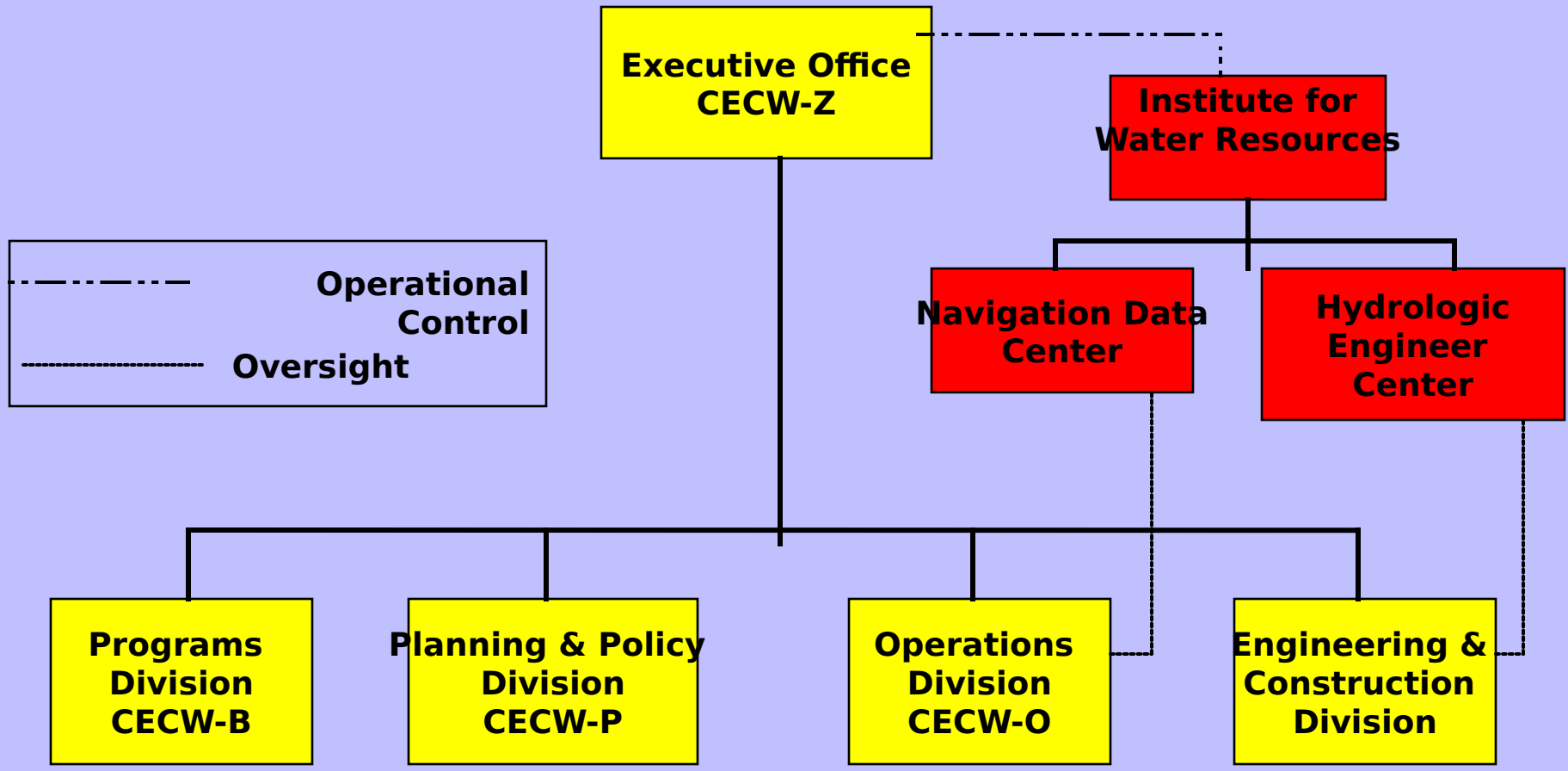
Overview of the Civil Works Process



HQ, USACE, Office of the Deputy Commander for Civil Works

U.S. Army Corps of Engineers

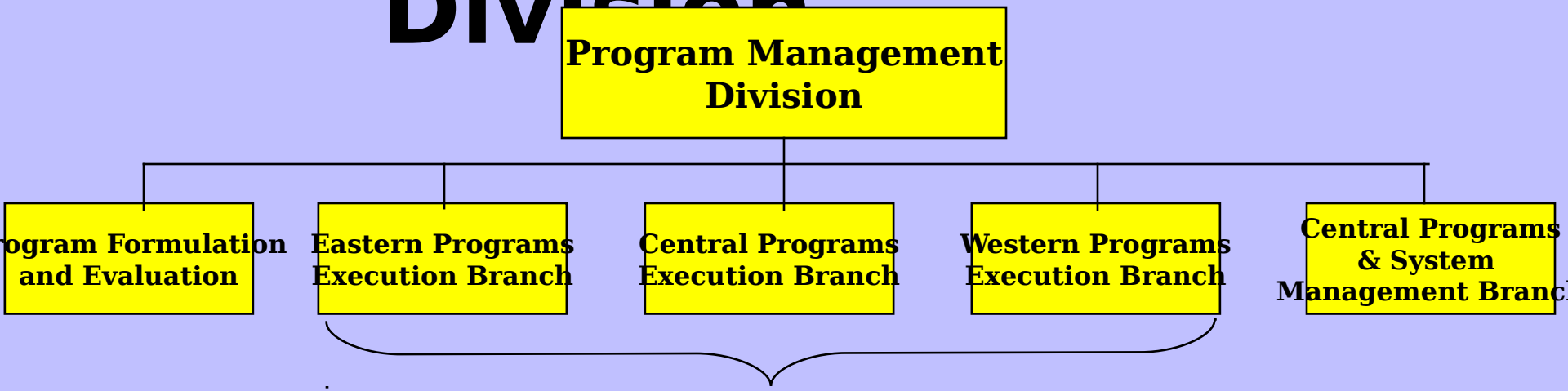
Overview of the Civil Works Process



U.S. Army Corps of Engineers

Program Management Division

Overview of the Civil Works Process


Program Management Division
ogram Formulation and Evaluation
Eastern Programs Execution Branch
Central Programs Execution Branch
Western Programs Execution Branch
Central Programs & System Management Branc

Program Formulation Functions -

- Program / Project Management formulation guidance
- Coordination of program development w/ long range mission development
- Formulation of annual and out-year CW program
- Defense of the CW annual program
- Evaluation of CW program performance

Regional Branches Functions -

- Program managers supporting MSCs, POC for MSC on project & program issues
- Leads HQ Program Delivery Support Team, managing issue resolution and assisting in reviews
- Coordinates the development & defense of MSC program
- Management of appropriation accounts associated with project delivery
- Business functions POC and management
- Liaison with Appropriation sub-committees on program / project issues

Centralized Programs Functions -

- Management of appropriation accounts not specifically associated with project delivery
- Develops appropriation language
- Manages project deauthorization
- Issues CW work allowances
- Manages coordination of reprogramming actions
- Proponency of CW program management information systems
- Operate & maintain CW program management information systems

Planning and Policy Division

U.S. Army Corps of Engineers

Overview of the Civil Works Process

MISSION DEVELOPMENT

- Develop and coordinate civil works long range plan in support of future missions.
- Provide support for new USACE, Army and Administration initiatives.
- Formulate legislative initiatives in support of future missions.
- Coordinate proposed WRDA legislation with program development initiatives.

POLICY/ DOCTRINE DEVELOPMENT

- Develop and maintain policy consistent with applicable laws.
- Formulate new policy in support of mission development and accomplishment.
- Coordinate policy proposals with HQUSACE directorates, MSCs and Districts.
- Prepare and maintain planning guidance.
- Monitor USACE planning capability

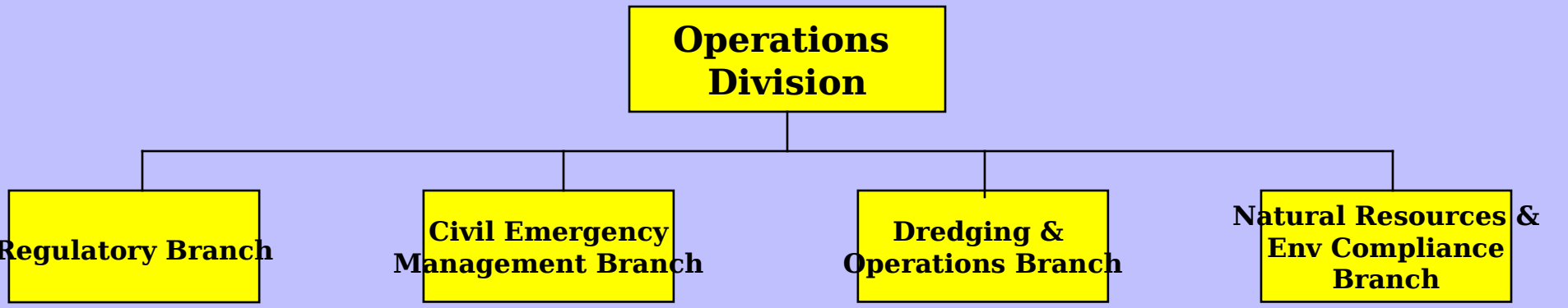
MISSION EXECUTION

- Manage national planning program, coordinating with MSCs, Districts.
- Provide policy support to Districts and MSCs on reconnaissance and feasibility studies.
- Monitor, review and analyze planning program performance.
- Manage and conduct policy compliance reviews on pre-authorization documents.

U.S. Army Corps of Engineers

Operations Division

Overview of the Civil Works Process



Policy, guidance and program management for:

• National wetlands regulatory program

• Structures in navigable waters permits

•Regulatory training program

•Regulatory

Policy, guidance and program management for:

• USACE civil emergency management/ disaster response activities under:
- USACE PL 84-99
- FEMA Stafford Act

• Readiness program execution

Policy, guidance and program management for:

- Hydropower
- Flood damage reduction
- Coastal navigation
- Inland navigation
- Dredging
- Major Rehab

•Floating plant management

•HDC & MDC oversight

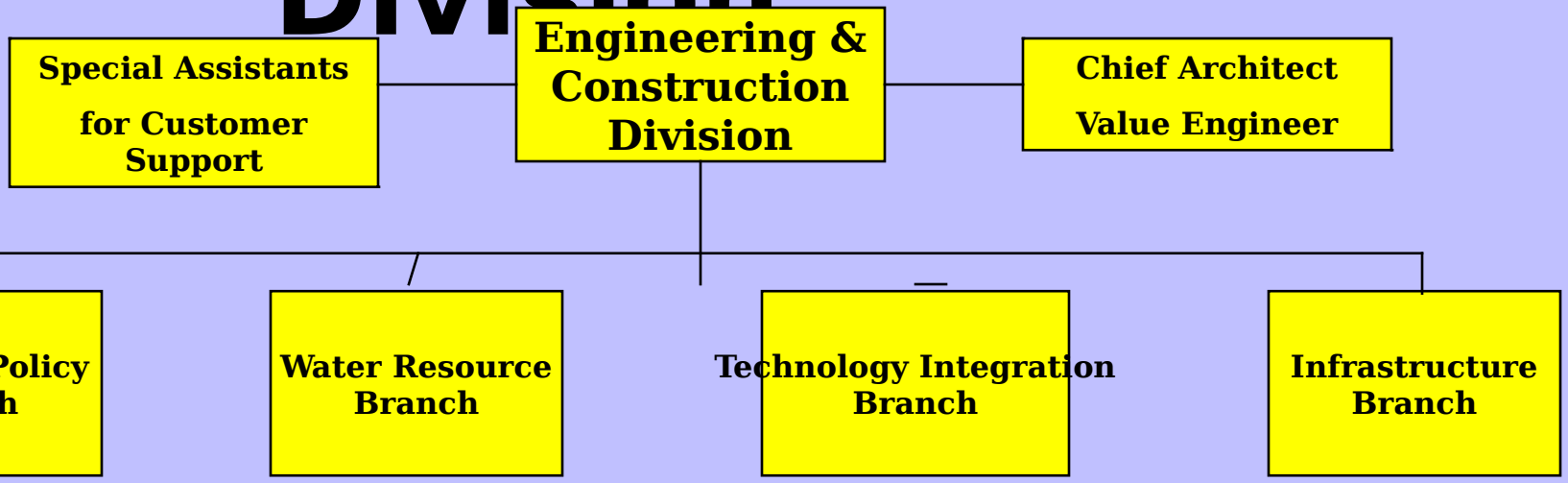
Policy, guidance and program management for:

- Outdoor recreation program
- Project natural resources management
- Aquatic plant control program
- Program(s) public/corporate outreach
- Facility compliance w/ env laws

U.S. Army Corps of Engineers

Engineering & Construction Division

Overview of the Civil Works Process



- Engineering Policy.
- Construction Policy
- Envr Tech Policy
- Technical Criteria
- Industry Liaison
- Professional Liaison

- H&H
- Water Supply
- Watershed
- Geotech
- Ports
- Site Development
- Water Quality

- IT Systems
- Infrastructure Technologies
- Environmental
- Management Systems
- Evaluate Technologies
- Develop Technical Transfer Strategies

- Cost Engineering
- Facilities Economics
- MCA Technical Support
- General Engineering
- Dam Safety
- Vertical Structures

SPONSOR'S RIGHTS & RESPONSIBILITIES

- Communication
- Decision-making
- Document preparation and other in-kind work
- Cost sharing
- OMRR&R

U.S. Army Corps of Engineers

NON-FEDERAL COST SHARING

PROJECT PURPOSE (PERCENT)	COST SHARING
Navigation	20 %; depth <= 20'
◆ Harbors(includes 10% repayment)	35 %; 20' < depth <= 45'
	60 %; depth > 45'
◆ Inland	50 % (IWTF)
Flood Control	
◆ Structural	5% cash + LERR; Min 35 %; Max 50%
◆ Nonstructural	35 %
Hurricane & Storm Damage Reduction	35 %
Ecosystem Restoration	35 %

NON-FEDERAL COST SHARING (continued)

PROJECT PURPOSE (PERCENT)	COST SHARING
Hydroelectric Power	100 %
Water Supply	
◆ Municipal & Industrial	100 %
◆ Agricultural	35 %
Recreation	
◆ Navigation	50 %
◆ Other	50 % of Separable Costs
Aquatic Plant Control	50 %

U.S. Army Corps of Engineers

SUMMARY

Current High Priority Missions of USACE are:

- Flood Damage Reduction
- Commercial Navigation
- Ecosystem Restoration
- Hurricane & Storm Damage Reduction

Major Phases of Civil Works Project Development are:

- Reconnaissance Planning
- Feasibility Planning
- Preconstruction Engineering & Design
- Real Estate Acquisition
- Construction
- Operation & Maintenance